

***MICHAEL JOSEPH CAROLAN***

<b>2002 to Present</b>	<b>CAROLAN ASSOCIATES LLC.</b>  Consultant in all aspects of business management with specialty in landfill gas management and utilization. Additional experience in solid waste management, including solid waste planning, recycling, and disposal.
<b>1997 to 2002</b>	<b>ZAHREN ALTERNATIVE POWER CORPORATION</b>  President – responsible for day-to-day operations of this landfill gas to energy company; Including development, engineering, construction, financing, operations . (2001) President of subsidiary Zapco Development ( 1997- 2000) Grew the company to 30 sites Member of Board of Directors ( 1997-2001) Company sold 2001.
<b>1995 to 1997</b>	<b>DTE BIOMASS -Subsidiary of DTE Energy</b>  Vice President -Business Development for Landfill Gas to Energy projects ; Added over 20 projects to portfolio.
<b>1993 to 1995</b>	<b>CAROLAN MANAGEMENT INTERNATIONAL</b>  Management consulting for Solid Waste management and landfill gas to energy projects. Developed Business Plans, project evaluations, Board of Directors for Engineering Company.
<b>1991 to 1993</b>	<b>UNIVERSAL WASTE &amp; TRANSIT, INC.</b>  President : A Regional Start-Up Company ( landfills; RCRA- TSDF) Grew operations to _\$12,000,000 revenues.

**1989-1991**

**CITY MANAGEMENT CORPORATION , INC.**

COO (Exec. V.P. ) Integrated Waste Company –  
Growth \$25 M to \$125 M; Managed day-to-day operations  
(600 people): collection, landfills, hazardous waste  
Developed & Built a 8 MW LFG to Electricity facility

**1981 to 1988**

**GSF ENERGY, INC.**

Group Vice President -Long Beach, CA.  
Profit and Loss responsibility; investments in landfill gas to  
energy projects and services for control of landfill gas.  
Responsible for day-to-day operations: regional offices,  
business development, 14 facilities, process & project  
engineering, field services, R&D, laboratory.

**1967 to 1981**

**THE DOW CHEMICAL COMPANY**

Program Management, Research & Development -Midland,  
Michigan ; Directed new ventures in environmental &  
energy; LFG treatment : General Manager- Midland,  
Michigan; Sao Paulo, Brazil; Coral Gables, Fla.  
Managed business units ( environmental, chemicals} ; USA,  
Brazil, Latin America  
International Finance, Corporate Treasury -Midland,  
Michigan : Managed \$300,000,000 portfolio, foreign  
exchange and project financing  
Project Sales Manager: Established Venture for Industrial  
Waste Services; Sales Engineer -Boston, Mass. :  
Environmental products and services

**1965 to 1967**

**PEACE CORPS**

Organized community action groups in urban and rural Chile

**1960 to 1965**

**CONSTRUCTION ENGINEERING**

City of New York Transit Authority; Engineers Inc,. other  
consulting engineering firms : Misc. engineering for road,  
bridge, railroads, housing projects over five years

## **EDUCATION**

**MBA ( honors) - Boston University**

**B S Civil Engineering – New Jersey Institute of Technology  
(Newark College of Engineering)**

**Certifications : Environmental Engineering – Michigan Tech;  
Languages – U. New Mexico**

## **OTHER CREDENTIALS**

**Professional Engineering License -New Hampshire(1970)**

**Clean Air Canada Committee - Member 2000-2001**

**Solid Waste Association of North America (SWANA-)  
Landfill Gas Steering Committee (1984-2000);  
Chair (1987-1989)– faculty for landfill gas course**

**\*Southern California Waste Forum –  
Board of Directors (1986-1987)**

**\*UK-US International LFG Conference-  
US rep.(1986-88; paper (1986))**

**\*Numerous Papers and Articles - Written and  
Presented**

## TESTIMONY HISTORY

The State of Illinois Commerce Commission; December 16, 2003 ; Docket 03-0714; Qualification of the Westchester landfill gas to energy project as a QSWEF.

The State of Illinois Commerce Commission; December 16, 2003 ; Docket 03-0715; Qualification of the Des Plaines landfill gas to energy project as a QSWEF.

In support of the Motion filed in the United States Bankruptcy Court for the Northern District of Illinois on March 18, 2003 by Network Electric Corporation for the appointment of a Chapter 11 Trustee for Resource Technology Company.

Expert Report and Testimony in support of Congress Development Corporation, submitted in reference to Resource Technology Company; Resource Technology Company, Plaintiff/ Counter Defendant versus Congress Development, Defendant/ Counter Plaintiff; November 25, 2002; voluntary Chapter 11; No. 99 B 35434; Adversary No. 00 A 00973; in the court of Eugene R. Wedoff